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Docket No. SPO-116 Serial No. 10/070,569

## In the Claims:

This listing of claims replaces all prior versions and listing of claims in the application:

- 1. (currently amended) A method of screening for detecting early cancer, comprising the steps of:
  - (a) measuring the level of a human midkine protein or a human midkine protein that lacks a domain near the N terminus or both, in secreted into a body fluid using a one-step sandwich enzyme immunoassay and,
  - (b) comparing the measured level obtained in step a) to a control human midkine protein level of a healthy subject, wherein an elevated measured level as compared to the control level indicates the presence of early cancer, wherein early cancer comprises cancer at stage 0 or stage I of the TNM classification.
- 2. (original) The method according to claim 1, wherein the early cancer is gastric cancer.
- 3. (original) The method according to claim 2, wherein the gastric cancer is at stage I.
- 4. (original) The method according to claim 1, wherein the early cancer is hepatocellular carcinoma.
- 5. (original) The method according to claim 4, wherein the hepatocellular carcinoma is at stage I.
- 6. (original) The method according to claim 1, wherein the early cancer is lung cancer.
- 7. (original) The method according to claim 6, wherein the lung cancer is at stage I.

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- 8. (previously presented) The method according to claim 1, wherein the body fluid is serum or urine.
- 9. (currently amended) A method of screening for detecting early cancer comprising the steps of:
  - (a) contacting a body fluid with a pair of antibodies that specifically bind to a human midkine secreted into a body fluid protein, a human midkine protein that lacks a domain near the N-terminus, or both, wherein one of said antibodies comprises an avian anti-human midkine antibody, and
  - (b) comparing the level of binding between the antibodies and the <u>human</u> midkine protein, a fragment thereof, or both of step (a) to a control binding level of a healthy subject, wherein an elevated binding level as compared to the control level indicates the presence of early cancer, wherein early cancer comprises cancer at stage 0 or stage I of the TNM classification.
- 10. (withdrawn)
- 11. (withdrawn)
- 12. (withdrawn)
- 13. (currently amended) A method for assessing cancer prognosis, comprising the steps of:
  - (a) measuring the level of a human midkine protein, a human midkine protein that lacks a domain near the N terminus, or both in secreted into a body fluid both before and after tumor treatment using a one step sandwich enzyme immunoassay (EIA), comparing the level measured after treatment to a level measured before treatment, and

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- (b) correlating a difference in the measured levels to cancer prognosis, wherein a reduction in measured level after treatment is indicative of successful therapy treatment and positive prognosis.
- 14. (original) The method according to claim 13, wherein the cancer is gastric cancer, hepatocellular carcinoma, or lung cancer.
- 15. (currently amended) The method according to claim 1, wherein human midkine levels are measured using a the one step sandwich enzyme immunoassay that includes an avian anti-human midkine antibody and a rabbit anti-human midkine antibody.
- 16. (currently amended) The method according to claim 13, wherein <u>human midkine levels</u> are measured using a the one step sandwich enzyme immunoassay that includes an avian anti-human midkine antibody and a rabbit anti-human midkine antibody.